ABSTRACT

A wireless sensor fixture system and method are disclosed in which an antenna block is provided that includes a plurality of grooves, wherein such grooves maintain a plurality of antennas located on a portion of the antenna block. A top locator block can be positioned above the antenna block, wherein the top locator comprises a top surface having depression thereon for receiving and locating a patch, which can receives wireless signals from the antennas for sensor testing thereof, wherein the patch comprises a SAW sensor and an RFID tag over-molded into the patch. Additionally, an antenna cover can be connected to the antenna block for protecting the plurality of antennas and wiring thereof. A BNC connector protrudes from the antenna block and is electrically connected to the plurality of antennas via the wiring thereof.